

## Claims

1. Metal oxide complex powder obtained by polymerizing a polymerizable and unsaturated group-containing monomer via a polymerization initiation group introduced onto the surface of at least one metal oxide selected from the group consisting of zinc oxide, titanium oxide and cerium oxide.

2. Cosmetics comprising the metal oxide complex powder of claim 1.

3. The cosmetics according to claim 2, wherein the metal oxide is present inside of the complex powder.

4. The cosmetics according to claim 2 or 3, wherein the metal oxide complex powder is obtained by polymerization in the presence of a transition metal complex.

5. The cosmetics according to claim 2 or 3, wherein the metal oxide complex powder is obtained by polymerization in the presence of a halogenated copper and an organic compound capable of coordination with copper.

6. The cosmetics according to any of claims 2 to 5, wherein the polymerization initiation group is a halogenated alkyl group.

7. Use of the metal oxide complex powder of claim 1 for cosmetics.